

#10

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/528,644A

Source: P4/10

Date Processed by STIC: 8/18/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 08/18/2005

PATENT APPLICATION: US/10/528,644A

TIME: 16:53:05

Input Set : E:\3fpo-0~2.txt

Output Set: N:\CRF4\08182005\J528644A.raw

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3 <110> APPLICANT: SUNG, Young Chul
4     YOUN, Jin-Won
5     YANG, Se-Hwan
6     PARK, Su-Hwan
7     LEE, Chang Geun
9 <120> TITLE OF INVENTION: A VACCINE ENHANCING THE PROTECTIVE IMMUNITY TO
10    HEPATITIS C VIRUS USING PLASMID DNA AND RECOMBINANT ADENOVIRUS
12 <130> FILE REFERENCE: 428.1049
14 <140> CURRENT APPLICATION NUMBER: 10/528,644A
15 <141> CURRENT FILING DATE: 2005-03-18
17 <150> PRIOR APPLICATION NUMBER: PCT/KR03/01951
18 <151> PRIOR FILING DATE: 2003-11-19
20 <150> PRIOR APPLICATION NUMBER: KR 2002-0058712
21 <151> PRIOR FILING DATE: 2002-09-27
23 <150> PRIOR APPLICATION NUMBER: KR 2002-68496
24 <151> PRIOR FILING DATE: 2002-11-06
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32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: PCR primer for HCV gene
39 <400> SEQUENCE: 1
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43 <210> SEQ ID NO: 2
44 <211> LENGTH: 30
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: PCR primer for HCV gene
52 <400> SEQUENCE: 2
53 ccctctagat gcgtccgccca ggagaaggaa          30
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 30
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: PCR primer for pTV2 ST
65 <400> SEQUENCE: 3
66 aaatctagaa ccatgggcc caggttggt          30
69 <210> SEQ ID NO: 4

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70 <211> LENGTH: 29
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72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: PCR primer for pTZ HCV
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79 cgagatctag caccgcgtg acaggagga 29
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 29
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: PCR primer for pTZ HCV
91 <400> SEQUENCE: 5
92 gccaattcta atactccac ctgatcgca 29
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 33
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: PCR primer for pTV2 ST
104 <400> SEQUENCE: 6
105 aaggcgccgccc tgagcacaaa tcctaacct caa 33
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 34
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: PCR primer for pTV2 ST
117 <400> SEQUENCE: 7
118 cccctctaga ttatgcgtcc gccaggagaa ggaa 34
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 30
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: PCR primer for pTV2 ST
130 <400> SEQUENCE: 8
131 aaggcgccgccc gcaccgcgt gacaggagga 30
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 30
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: PCR primer for pTZ HCV
143 <400> SEQUENCE: 9
144 aaggcgccgccc gccccaggtt ggggtgtgcgc 30
147 <210> SEQ ID NO: 10
148 <211> LENGTH: 33

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149 <212> TYPE: DNA
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152 <220> FEATURE:
153 <223> OTHER INFORMATION: PCR primer for pTZ HCV
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161 <211> LENGTH: 21
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: PCR primer for pTV2 gDsST
169 <400> SEQUENCE: 11
170 acttgagtga caatgacatc c 21
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 35
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: PCR primer
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186 <210> SEQ ID NO: 13
187 <211> LENGTH: 34
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: PCR primer
195 <400> SEQUENCE: 13
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201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: PCR primer
208 <400> SEQUENCE: 14
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214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: PCR primer
221 <400> SEQUENCE: 15
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225 <210> SEQ ID NO: 16
226 <211> LENGTH: 34
227 <212> TYPE: DNA

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231 <223> OTHER INFORMATION: PCR primer
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238 <210> SEQ ID NO: 17
239 <211> LENGTH: 36
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: PCR primer
247 <400> SEQUENCE: 17
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251 <210> SEQ ID NO: 18
252 <211> LENGTH: 33
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: PCR primer
260 <400> SEQUENCE: 18
261 aaatctagat tagcatggcg tggagcagtc ctc      33
264 <210> SEQ ID NO: 19
265 <211> LENGTH: 33
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: PCR primer
273 <400> SEQUENCE: 19
274 aaaggtacca tgtccggctc gtggctaagg gat      33
277 <210> SEQ ID NO: 20
278 <211> LENGTH: 30
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: PCR primer
286 <400> SEQUENCE: 20
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290 <210> SEQ ID NO: 21
291 <211> LENGTH: 25
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: PCR primer
299 <400> SEQUENCE: 21
300 cccgggaaag tcctgccgcg cctcg      25
303 <210> SEQ ID NO: 22
304 <211> LENGTH: 17
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence

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308 <220> FEATURE:
309 <223> OTHER INFORMATION: PCR primer
312 <400> SEQUENCE: 22
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316 <210> SEQ ID NO: 23
317 <211> LENGTH: 33
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: PCR primer
325 <400> SEQUENCE: 23
326 gtctagagca agatgtgtca ccagcagttg gtc 33
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 33
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: PCR primer
338 <400> SEQUENCE: 24
339 ctggatccga acctaactgc agggcacaga tgc 33
342 <210> SEQ ID NO: 25
343 <211> LENGTH: 20
344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: PCR primer
351 <400> SEQUENCE: 25
352 aagatatcga attccccctc 20
355 <210> SEQ ID NO: 26
356 <211> LENGTH: 21
357 <212> TYPE: DNA
358 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
361 <223> OTHER INFORMATION: PCR primer
364 <400> SEQUENCE: 26
365 ttgccatggc catatttatc a 21
368 <210> SEQ ID NO: 27
369 <211> LENGTH: 22
370 <212> TYPE: DNA
371 <213> ORGANISM: Artificial Sequence
373 <220> FEATURE:
374 <223> OTHER INFORMATION: PCR primer
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381 <210> SEQ ID NO: 28
382 <211> LENGTH: 21
383 <212> TYPE: DNA
384 <213> ORGANISM: Artificial Sequence
386 <220> FEATURE:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/528,644A

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